

6M 220

Key Specs

Engine Description - John Deere PowerTech™ EWL
Engine Displacement - 6.8 L
Rated Engine Power - 162.0 kW
Maximum engine power - 178.0 kW
Transmission Type - Standard: John Deere 20-speed PowrQuad Plus 40 km/h Optional: John Deere 16-speed PowrQuad Plus 30 km/h John Deere 20-speed AutoQuad Plus 40 km/h & 50 km/h John Deere 20-speed CommandQuad Plus 40 km/h AutoPowr™/IVT™ 40 km/h & 50 km/h
Hydraulic pump rated output - Standard: 45 cc pump: 114 L/min (30 gpm) Optional: 60 cc pump: 155 L/min (41 gpm)
Base machine weight - 8500.0 kg

Engine specifications

Engine Description - John Deere PowerTech™ EWL
Engine type - 6068HL558
Engine family - EWL
Rated speed - 2100.0 rpm
Aspiration - Single variable geometry turbocharger
Emission level - Stage V
After treatment type - Diesel particle filter (DPF) with diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR) using diesel exhaust fluid (DEF)
Engine Displacement - 6.8 L

Engine performance

Engine performance

Rated Engine Power - 162.0 kW

Transport and/or mobile PTO applications - Additional engine power (hp ISO) at 2100 rpm: 14.9 kW 20 hp

Maximum engine power - 178.0 kW

Engine peak torque - 1025.0 Nm

PTO torque rise - 40.0 %

Transmission

Transmission Type - Standard: John Deere 20-speed PowrQuad Plus 40 km/h
Optional: John Deere 16-speed PowrQuad Plus 30 km/h
John Deere 20-speed AutoQuad Plus 40 km/h & 50 km/h
John Deere 20-speed CommandQuad Plus 40 km/h
AutoPowr™/IVT™ 40 km/h & 50 km/h

Reverser - Electronic left-hand reverser

Creeper - Not available

Hydraulic system

Type - Standard/optional: Pressure-and-flow compensated (PFC) system with Load Sensing function

Hydraulic pump rated output - Standard: 45 cc pump: 114 L/min (30 gpm)
Optional: 60 cc pump: 155 L/min (41 gpm)

Number of rear selective control valves (SCVs) - Standard: Two ISO couplers
Optional: Two to four ISO couplers

Number of mid selective control valves (SCVs) - Up to three

Joystick SCV control - Mechanical/electrical

SCV control - Hydrostatic

Rear hitch

Maximum lift capacity behind lift points - 9050 kg

Sensing type - Electronic at lower link

Rear axle differential lock - Electrohydraulically with oil-cooled clutch

Drawbar

Drawbar category - Category 3

Maximum vertical load - Maximum vertical load dependent on drawbar position 1800-3000 kg

Rear Power Take-off (PTO)

Type - Electrohydraulically operated, oil-cooled, multi-disc design

Rear Power Take-off (PTO)

Engine rpm (at rated PTO speeds) - 540 PTO: 1960 rpm
1000 PTO: 1960 rpm rpm

PTO actuation - In-cab switch and optional external fender-mounted remote control

Front hitch

Category - 3N

Standard lift capacity - 3300.0 kg

Front power take-off - Electrohydraulically engaged with oil-cooled, multi-disc design

PTO speed - 1000.0 PTO

PTO speed - 1969.0 rpm

Rear axle

Type - Standard: Rack-and-pinion rear axle - 92-mm (3.6 in.) shaft (2.550-m/100.4 in.)
Optional: flange-type rear axle
Rack-and-pinion rear axle - 100-mm (3.94 in.) shaft (2806-mm/110.5 in.)
Rack-and-pinion rear axle - 100-mm (3.94 in.) shaft (2550-mm/100.4 in.)
Rack-and-pinion rear axle - 100-mm (3.94 in.) shaft (3009-mm/118.5 in.)

Final drive type - Three planetary gear reduction

Rear differential lock - Electrohydraulically with oil-cooled clutch

Front axle

Front axle differential lock - Standard: Self-locking differential
Optional: hydraulic actuated

Tires

Front - 600 / 70R28 (SRI 725)

Rear - 800 / 70R38 (SRI 975)

Steering

Type - Dynamic load sensing, hydrostatic, flow metering

Electrical System

Alternator size - 14.0 V

Battery options - 12.0 V

Operator station

Operator station

Gearshift location - console/floor - Console
Seat - Standard: Standard seat with air suspension Optional: Economy seat with mechanical suspension
Cab suspension - Optional: Mechanical Cab Suspension (MCS)
Instructional seat - Optional
Radio - Standard: Standard AM/FM stereo
Inner cab volume - 2.7 3¥
dB(A) rating - 70 dBA
Cab glass area - 4.85 3¡

Dimensions

Wheelbase - 2800.0 mm
Overall width - 2550.0 mm
Overall length - 4984.0 mm
Overall height - 3060.0 mm
Front axle center - 545.0 mm
Approximate shipping weight - Cab - 8500.0 kg

Weight

Base machine weight - 8500.0 kg
Base machine weight - Front axle - 3480.0 kg
Base machine weight - Rear axle - 5200.0 kg
Base machine weight - Total - 9500.0 kg
Maximum permissible weight - 12700.0 kg

Capacities

Crankcase oil volume - 23.5 L
Fuel tank capacity - 325.0 L
Diesel exhaust fluid (DEF) tank - 20.0 L
Cooling system - 28.0 L
Transmission-hydraulic system - 71.0 L

Serviceability

Interval for engine oil change - 750.0 hr

Serviceability

Interval for hydraulic/transmission oil change - 1500.0 hr

Interval for engine coolant change - 6000.0 hr

Precision AG

Guidance - Optional: AutoTrac™ with Universal Display

Telematic - Standard: JDLink™

Remote diagnostics - Standard: JDLink™

Miscellaneous

Country of manufacture - Germany

Additional information

Date collected - 2024-08-05T00:00:00